

## Attachment K2-22 (Summary and Contents)

### Baseline Asphaltene Data

### California-produced and Santa Maria Facility-sourced crude oils

**This page:** Summary and contents; the table below summarizes data in this attachment, indicating which crudes streams are in the Santa Maria Facility baseline.<sup>1</sup>

**Included files:** This attachment (the electronic is a file folder labeled Att. K2-22) includes a separate crude oil assay file for each crude oil stream listed in the table below, identified by the name listed below, as downloaded in February 2016 from Environment Canada: [http://www.etc-cte.ec.gc.ca/databases/Oilproperties/oil\\_prop\\_e.html](http://www.etc-cte.ec.gc.ca/databases/Oilproperties/oil_prop_e.html)

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#### Summary of attached whole crude density, sulfur content, and asphaltene content data.

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Crude name	In the SMF Baseline?	Density (kg/m <sup>3</sup> @15°C)	Sulfur content (wt. %)	Asphaltene content (wt. %)
Pitas Point	No	834	0.61	0.00
Belridge Heavy	No	975	1.03	3.00
Sockeye Sweet	No	879	1.10	4.00
Dos Cuadras	No	900	1.24	6.00
Pt. Arguello Light	Yes	874	1.10	7.00
Beta	No	974	3.78	7.00
Sockeye	No	896	2.29	8.00
Carpinteria	No	915	1.88	9.00
Hondo	Yes	936	4.30	12.0
Platform Gail	No	930	4.08	12.0
Port Hueneme	No	966	3.73	12.0
Santa Clara	No	920	2.85	13.0
Sockeye Comingled	No	935	4.17	13.0
Sockeye Sour	No	941	4.41	13.0
Platform Elly	No	961	—	13.6
Hondo Monterrey	Yes	938	4.70	15.0
California (API 11)	No	988	3.30	16.0
Pt. Arguello Comingled	Yes	925	3.64	16.0
Platform Holly	No	993	1.43	17.0
Sockeye (2000)	No	935	4.51	18.5
Pt. Arguello Heavy	Yes	945	3.44	19.0
California (API 15)	No	977	5.50	22.0
Platform Irene	Yes	991	1.40	22.0
Crude streams in SMF baseline (avg.)		923	2.92	15.3
All California crude oils listed (avg.)		932	2.79	12.2

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<sup>1</sup> See Karras Report–1. See also Throughput Increase FEIR at § 2.0. Note that the Hondo and Irene crude streams are associated with Santa Ynez and Pt. Pedernales operations, respectively.